

HYUNDAI

HX300L SPECIFICATIONS

Net Power

277 hp (207 kW) at 1,800 rpm

Operating Weight

72,664 lb (32,960 kg)

Standard Bucket

1.84 yd³ (1.41 m³)

ENGINE

Make / Model	HYUNDAI / DX08
Type	4-cycle, turbocharged, charge air-cooled, controlled by ECU
Net Power (SAE J1349)	277 hp (207 kW) at 1,800 rpm
Max. Power (SAE J1995)	279 hp (208 kW) at 1,800 rpm
Max. Torque	907 lb-ft (1,230 Nm) at 1,300 rpm
Displacement	458 in ³ (7.5 ℓ)

ELECTRICAL SYSTEM

Batteries	2 × 12 V, 150 Ah
Alternator	24 V, 90 A
Starter	24 V, 6.0 kW

HYDRAULIC SYSTEM

MAIN PUMP	Cross-sensing and fuel-saving pump system.
Type	Variable-displacement tandem axis piston pumps
Max. Oil Flow	2 × 76 gpm (2 × 288 ℓ/min)
Displacement	2 × 9.8 in ³ /rev (2 × 160 cc/rev)
Rated Speed	1,800 rpm

PILOT PUMP

Type	Fixed-displacement gear pump
Max. Oil Flow	7.1 gpm (27 ℓ/min)

RELIEF VALVE SETTING

Maximum Pressure	4,970 psi (343 bar)
Maximum Pressure (Power Boost)	5,410 psi (373 bar)

HYDRAULIC CYLINDERS

No. of Cylinders	Boom	5.5" × 57.1" (140 × 1,450 mm)
Bore × Stroke	Arm	5.9" × 65.7" (150 × 1,670 mm)
	Bucket	5.3" × 45.3" (135 × 1,150 mm)

AUXILIARY CIRCUIT

Operating Flow	13–152 gpm (50–576 ℓ/min)
Operating Pressure	2,030–4,931 psi (140–340 bar)

ROTATION CIRCUIT (OPTION)

Operating Flow	14 gpm (56 ℓ/min)
Operating Pressure	2,320 psi (160 bar)

TRAVEL SYSTEM

Drive Method		Variable-displacement axial piston motor
Max. Drawbar Pull		76,941 lbf (34,900 kgf)
Travel Speed	High	3.23 mph (5.2 km/h)
	Low	1.9 mph (3.0 km/h)
Gradeability		70% (35°)

CONTROL

Electronic joysticks and pedals provide almost effortless and fatigue-less operation.

FEH-EPOS control	Two joysticks with one safety lever (LH): swing and arm, (RH): boom and bucket
Traveling and Steering	Two levers with pedals, two levers
Engine Throttle	Electric, dial type—12 setting levels

SWING SYSTEM

Swing Motor	Fixed-displacement axial piston motor
Swing Reduction	2-stage planetary reduction gear
Swing Brake	Multi wet disk
Swing Speed	9.3 rpm
Swing Torque	72,576 lb-ft (98.4 kNm)

DIGGING FORCE

Arm Length		10' 2" (3,100 mm)	12' 4" (3,750 mm)
Arm Crowd Force	SAE	lbf	28,550 [31,020]
		kN	127 [138]
	ISO	lbf	29,230 [31,700]
		kN	130 [141]
Bucket Breakout Force	SAE	lbf	36,800 [39,950]
		kN	164 [178]
	ISO	lbf	41,520 [45,070]
		kN	185 [201]

[]—Power boost

COOLANT & LUBRICANT CAPACITY

Fuel Tank	gal (ℓ)	132.1 (500)
Engine Coolant		10.6 (40)
Engine Oil		9.2 (35)
Hydraulic System (Including Tank)		104 (393)
Hydraulic Tank		43.3 (164)
DEF/AdBlue®		19.0 (72)

UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with triple grouser shoes.

Center Frame	X-leg type
Track Frame	Pentagonal box type
No. of Shoes on Each Side	48 ea
No. of Carrier Rollers on Each Side	2 ea
No. of Track Rollers on Each Side	9 ea
No. of Rail Guards on Each Side	4 ea / 9 ea

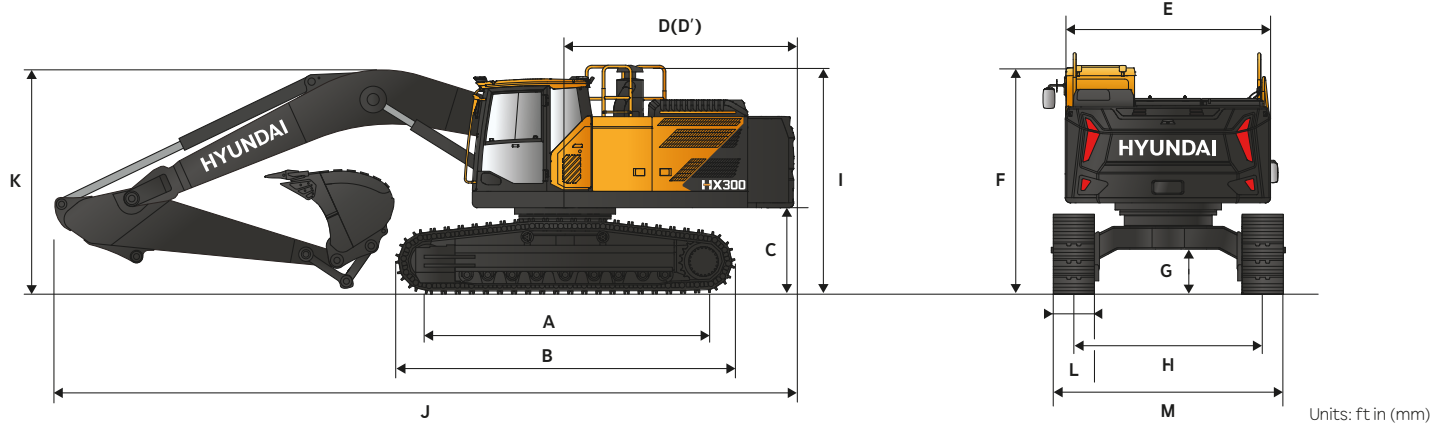
OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 20' 6" (6.25 m) boom, 10' 2" (3.10 m) arm, SAE heaped 1.84 yd³ (1.41 m³) bucket, 11,905 lb (5,400 kg) counterweight, 32" (800 mm) track shoe, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipment.

Shoes		Operating Weight	Ground Pressure
Type	Width, in (mm)	lb (kg)	psi (kgf/cm ²)
Triple Grouser	32" (800 mm)	72,664 (32,960)	6.83 (0.48)
	36" (900 mm)	73,524 (33,350)	5.98 (0.42)

HX300L DIMENSIONS & WORKING RANGE

DIMENSIONS

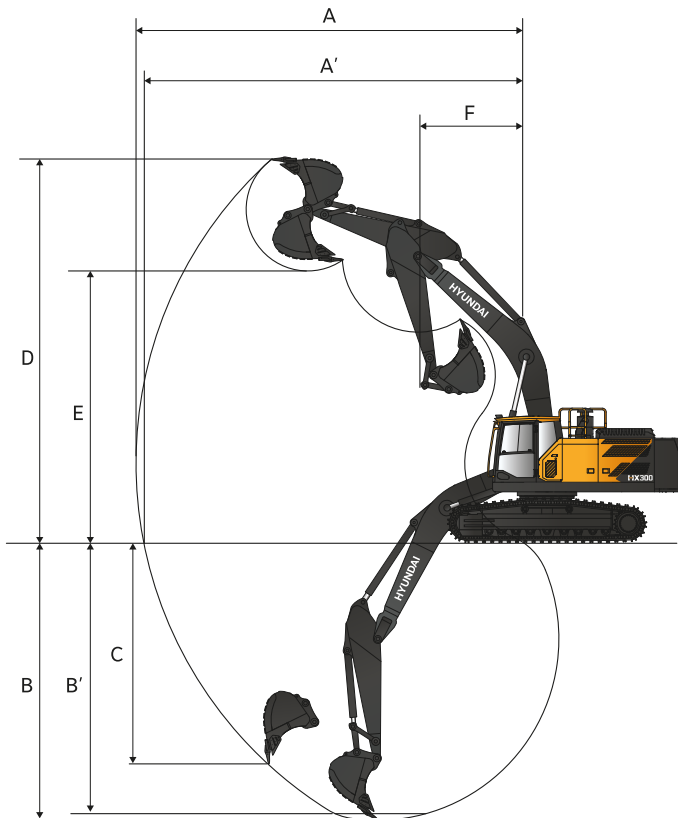


Units: ft in (mm)

A	Tumbler Distance	13' 3" (4,040)
B	Overall Length of Crawler (w/ Grouser)	16' 3" (4,946)
C	Ground Clearance of Counterweight (w/ Grouser)	3' 9" (1,132)
D	Tail Swing Radius	10' 7" (3,230)
D'	Rear-End Length	10' 6" (3,207)
E	Overall Width of Upper Structure	9' 10" (2,990)
F	Overall Height of Cab	10' 7" (3,235)
G	Min. Ground Clearance	1' 7" (473)
H	Track Gauge	8' 6" (2,600)
I	Overall Height of Guardrail (w/ Grouser)	11' 0" (3,347)

Boom Length		20' 6" (6,245)
Arm Length		10' 2" (3,100) 12' 4" (3,750)
J	Overall Length	34' 9" (10,585) 34' 11" (10,642)
K	Overall Height of Boom	10' 11" (3,316) 11' 7" (3,519)
L	Track Shoe Width	32" (800) 36" (900)
M	Overall Width w/o Additional Foot Board	11' 2" (3,400) 11' 6" (3,500)

WORKING RANGE



Units: ft in (mm)

Boom Length		20' 6" (6,245)
Arm Length		10' 2" (3,100) 12' 4" (3,750)
A	Max. Digging Reach	35' 1" (10,670) 36' 9" (11,200)
A'	Max. Digging Reach on Ground	34' 5" (10,480) 36' 2" (11,020)
B	Max. Digging Depth	23' 11" (7,280) 26' 0" (7,930)
B'	Max. Digging Depth (8' level)	23' 3" (7,090) 25' 5" (7,750)
C	Max. Vertical Wall Digging Depth	20' 3" (6,180) 21' 8" (6,610)
D	Max. Digging Height	33' 6" (10,210) 33' 9" (10,290)
E	Max. Dumping Height	23' 11" (7,300) 24' 4" (7,420)
F	Min. Swing Radius	13' 2" (4,020) 13' 4" (4,070)

HX300L LIFTING CAPACITY

 Rating over front  Rating over side or 360 degrees

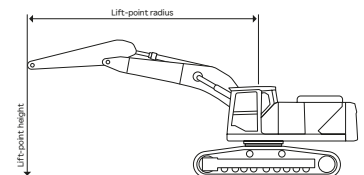
20' 6" (6.25 m) boom, 10' 2" (3.1 m) arm equipped with 11,905 lb (5,400 kg) counterweight and 32" (800 mm) triple grouser shoe

Lift-point height, ft (m)		Lift-point radius										At max. reach				
		4.9 ft (1.5 m)		9.8 ft (3.0 m)		14.8 ft (4.5 m)		19.7 ft (6.0 m)		24.6 ft (7.5 m)		29.5 ft (9.0 m)		Capacity		Reach
																ft (m)
24.6	lb													*12,350	*12,350	23.8
(7.5)	kg													*(5,600)	*(5,600)	(7.26)
19.7	lb							*15,760	*15,760	*15,540	14,420			*11,860	*11,860	26.9
(6.0)	kg							*(7,150)	*(7,150)	*(7,050)	(6,540)			*(5,380)	*(5,380)	(8.20)
14.8	lb					*21,940	*21,940	*18,340	*18,340	*16,640	14,090			*11,880	10,960	28.8
(4.5)	kg					*(9,950)	*(9,950)	*(8,320)	*(8,320)	*(7,550)	(6,390)			*(5,390)	(4,970)	(8.77)
9.8	lb					*28,990	28,700	*21,690	18,850	*18,360	13,620	*13,580	10,320	*12,320	10,210	29.7
(3.0)	kg					*(13,150)	(13,020)	*(9,840)	(8,550)	*(8,330)	(6,180)	*(6,160)	(4,680)	*(5,590)	(4,630)	(9.07)
4.9	lb					*34,790	27,030	*24,910	17,990	*20,150	13,160	*15,430	10,120	*13,180	9,940	29.9
(1.5)	kg					*(15,780)	(12,260)	*(11,300)	(8,160)	*(9,140)	(5,970)	*(7,000)	(4,590)	*(5,980)	(4,510)	(9.10)
0	lb					*37,570	26,230	*27,120	17,420	20,370	12,810			*14,680	10,140	29.2
	kg					*(17,040)	(11,900)	*(12,300)	(7,900)	(9,240)	(5,810)			*(6,660)	(4,600)	(8.89)
-4.9	lb	*16,580	*16,580	*25,220	*25,220	*37,880	26,040	*27,930	17,150	20,190	12,650			17,220	10,890	27.6
(-1.5)	kg	*(7,520)	*(7,520)	*(11,440)	*(11,440)	*(17,180)	(11,810)	*(12,670)	(7,780)	(9,160)	(5,740)			(7,810)	(4,940)	(8.40)
-9.8	lb	*29,030	*29,030	*40,540	*40,540	*36,110	26,210	*27,070	17,200	20,330	12,760			20,020	12,590	24.9
(-3.0)	kg	*(13,170)	*(13,170)	*(18,390)	*(18,390)	*(16,380)	(11,890)	*(12,280)	(7,800)	(9,220)	(5,790)			(9,080)	(5,710)	(7.59)
-14.8	lb			*43,740	*43,740	*31,530	26,760	*23,210	17,660					*21,500	16,490	20.7
(-4.5)	kg			*(19,840)	*(19,840)	*(14,300)	(12,140)	*(10,530)	(8,010)					*(9,750)	(7,480)	(6.32)

20' 6" (6.25) boom, 12' 4" (3.75 m) arm equipped with 11,905 lb (5,400 kg) counterweight and 32" (800 mm) triple grouser shoe

Lift-point height, ft (m)	Lift-point radius												At max. reach		
	4.9 ft (1.5 m)		9.8 ft (3.0 m)		14.8 ft (4.5 m)		19.7 ft (6.0 m)		24.6 ft (7.5 m)		29.5 ft (9.0 m)		Capacity		Reach
															ft (m)
29.5 lb													*11050	*11050	21.7
(9.0) kg													*(5010)	*(5010)	(6.61)
24.6 lb									*12830	*12830			*10190	*10190	26.0
(7.5) kg									*(5820)	*(5820)			*(4620)	*(4620)	(7.92)
19.7 lb									*13730	*13730			*9900	*9900	28.8
(6.0) kg									*(6230)	*(6230)			*(4490)	*(4490)	(8.78)
14.8 lb							*16250	*16250	*15080	14220	*12960	10580	*9990	9940	30.6
(4.5) kg							*(7370)	*(7370)	*(6840)	(6450)	*(5880)	(4800)	*(4530)	(4510)	(9.32)
9.8 lb					*25570	*25570	*19750	19090	*16980	13690	*15540	10320	*10380	9300	31.5
(3.0) kg					*(11600)	*(11600)	*(8960)	(8660)	*(7700)	(6210)	*(7050)	(4680)	*(4710)	(4220)	(9.60)
4.9 lb					*32140	27400	*23300	18100	*18980	13140	15760	10050	*11130	9040	31.6
(1.5) kg					*(14580)	(12430)	*(10570)	(8210)	*(8610)	(5960)	(7150)	(4560)	*(5050)	(4100)	(9.63)
0 lb			*16420	*16420	*36180	26210	*26010	17370	20300	12720	15520	9810	*12370	9170	30.9
0 kg			*(7450)	*(7450)	*(16410)	(11890)	*(11800)	(7880)	(9210)	(5770)	(7040)	(4450)	*(5610)	(4160)	(9.43)
-4.9 lb	*16160	*16160	*24850	*24850	*37610	25750	*27450	16980	20020	12460			*14420	9770	29.4
(-1.5) kg	*(7330)	*(7330)	*(11270)	*(11270)	*(17060)	(11680)	*(12450)	(7700)	(9080)	(5650)			*(6540)	(4430)	(8.97)
-9.8 lb	*25510	*25510	*36130	*36130	*36910	25750	*27380	16890	19970	12430			17570	11020	26.9
(-3.0) kg	*(11570)	*(11570)	*(16390)	*(16390)	*(16740)	(11680)	*(12420)	(7660)	(9060)	(5640)			(7970)	(5000)	(8.21)
-14.8 lb	*36880	*36880	*48220	*48220	*33750	26170	*25180	17150					*20390	13780	23.2
(-4.5) kg	*(16730)	*(16730)	*(21870)	*(21870)	*(15310)	(11870)	*(11420)	(7780)					*(9250)	(6250)	(7.06)
-19.7 lb			*37100	*37100	*26260	*26260							*21850	21610	17.2
(-6.0) kg			*(16830)	*(16830)	*(11910)	*(11910)							*(9910)	(9800)	(5.25)

- Lifting capacities are based on ISO 10567.
- Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- (*) indicates load limited by hydraulic capacity.



HX300L STANDARD & OPTIONAL EQUIPMENT

HYDRAULIC SYSTEM

FULL ELECTRO HYDRAULIC (FEH)	
Variable Power Control	●
Electric Pump Flow Control	●
Electric MCV with Electric Joystick	●
Attachment Mode Flow Control	●
Engine Auto Idle	●
Engine Auto Shutdown Control	●
JOYSTICK STEERING	●

CAB & INTERIOR

ISO STANDARD CABIN	
Cabin Light (2 Working Lamps, HAL)	○
Cabin Light (2 Working Lamps, LED)	○
Cabin Light (6 Working Lamps, LED)	●
Beacon Lamp	○
Cabin Rain Shield	○
Pantograph Wiper Arms	●
Multi-channel Speaker (4 ea)	●
DAB Audio (Handsfree and Bluetooth)	●
Electric Horn	●
Safety Glass—Laminated (Front)	●
Sliding Fold-In Front Window	●
Sliding Side Window (LH)	●
Lockable Door	●
Hot and Cool Box	●
Storage Compartment	●
Fault Warnings	●
Communication Error	●
Low Battery / Clock	●
SEAT	
Leather Heating and Cooling Seat	●
Fabric Heating Seat	○
CABIN FOG (ISO) 10262	
Top Falling Object Guard	○
Front and Top Falling Object Guard	○
Wire Mesh Guard (Front Only)	○
CABIN ROPS (ISO) 12117-2	
ROPS (Roll Over Protective Structures)	●
AUTOMATIC CLIMATE CONTROL	
Air Conditioner and Heater	●
Defroster	●
AUTOMATIC STARTING AIDS	
Starting Aid (Air Grid Heater) for Cold Weather	●
Engine Coolant Heater and Plug Heater (110 V Plug Heater)	○

CAB & INTERIOR

ADDITIONAL GAUGE PANEL (AGP)	
12" LCD Display	●
Secondary 12" Display	○
Engine RPM or Trip Meter / Accelerometer	●
Engine Coolant Temperature Gauge	●
Max Power / Low and High Speed / Engine Check indicator	●
Overload Warning with Alarm	●
Eco Gauge / Fuel Level / Hydraulic Oil Temperature Gauge	●
Air Cleaner Clogging Warning	●

SAFETY

Battery Master Switch	●
Right and Rearview Camera	●
Smart Around View Camera (SAVM)	○
Advanced Detection System (ADS)	○
Travel and Swing Alarm	●
Travel and Swing White Noise Alarm	○
Automatic Swing Brake	●
Boom Holding Valve	○
Arm Holding Valve	○
Overload Warning Device	●

TECHNOLOGY

2D Machine Guidance	○
2D Machine Control	○
Bucket Weighing and Payload System	○
Swing Boundary System	○
E Boundary (Working Barriers)	○
Auto Stop (Travel/Swing)	○
Lift Assist	○
Advanced Lift Assist	○
Equipment Health Monitoring (EHM)—Basic—Engine and Hydraulic Oil Status Check in Real Time	●
Equipment Health Monitoring (EHM)—Premium—Basic + Main Pump and Swing Motor Monitoring	○

OTHER

Smart Key (with Digital Key)	○
Hydraulic Reversible Fan	○
Pre-cleaner—Oil-washed	○
Fine Swing (Free and Cushion Function)	●
Straight Travel	●
Hyundai Connect (Telematics)	●
Auto Grease System	●
Heated Fuel Water Separator	●

OTHER

Air Compressor	○
Side Protector	●
Fuel Filler Pump	○
Heat Wire for Mirror	○

FRONT ATTACHMENTS

Auxiliary Piping with Pedal (2-way)	●
Rotating Piping (4-way)	○
Quick Coupler	●
Quick Coupler Piping Only	○

BOOMS

20' 6" (6.25 m) Monoboom	●
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ARMS

10' 2" (3.10 m) Standard Arm	●
12' 4" (3.75 m) Long Arm	○

BUCKETS

48" (1.2 m) 1.84 yd ³ (1.41 m ³) HD J-style 5 teeth	●
54" (1.4 m) 2.13 yd ³ (1.63 m ³) HD J-style 6 teeth	○

COUNTERWEIGHT

11,905 lb (5,400 kg) Heavy Counterweight	●
13,890 lb (6,300 kg) Heavy Counterweight	○

UNDERCARRIAGE

Heavy-duty Under Cover	●
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TRACK SHOES

32" (800 mm) Shoe	●
36" (900 mm) Shoe	○

TRACK GUARD

Double Track Guard—4 Protected Rollers Per Side	●
Full Track Guard—All Rollers Protected	○

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information.

* The machine may vary according to International standards.

* The photos may include attachments and optional equipment that are not available in your area.

* Materials and specifications are subject to change without advance notice.

* All U.S. measurements rounded off to the nearest pound or inch.

HYUNDAI

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building a comfortable tomorrow

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